

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	solenoid near2 valve same (ground near3 (connect or disconnect)) same switch same voltage	US-PGPUB	OR	ON	2006/12/11 08:46
L2	1	solenoid near2 valve same (ground near3 (connect or disconnect)) same switch	US-PGPUB	OR	ON	2006/12/11 08:45
L3	19	solenoid near2 valve same ground same switch same voltage	US-PGPUB	OR	ON	2006/12/11 08:46
S1	27	schweiggart-hubert.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:42
S2	0	schweiggart-hubert-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:42
S3	0	ulf-pischke.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:42
S4	33	pischke-ulf.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:43
S5	0	pischke-ulf-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:43
S6	1	gaessler-heman.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:44
S7	1	gaessler-herman.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:44
S8	0	gaessler-herman-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:44
S9	0	gaessler-heman-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:44

## EAST Search History

S10	102	gaessler-hermann.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:46
S11	1	de-10057778-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:47
S12	1	fr-2752441-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:48
S13	990	123/90.11.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:48
S14	2521	123/90.15,90.24.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:48
S15	3544	251/129.03,129.15,129.22.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:48
S16	816	361/189,194.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:49
S17	292	335/138,139,155.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:49
S18	71	S13 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:50
S19	41	S13 and "361"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:54
S20	63	S13 and "335"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:54
S21	56	S20 not S19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:56

## EAST Search History

S22	7855	S13 or S14 or S15 or S16 or S17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:56
S23	128	"4009695"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 18:59
S24	5	"6188224"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 19:00
S25	9	"6772737"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 19:00
S26	44	("20020104494"   "20030010325"   "3758260"   "4150654"   "4297742"   "4453652"   "4922878"   "4933805"   "5020988"   "5150687"   "5435717"   "5499157"   "5532526"   "5622148"   "5765513"   "5775276"   "5804962"   "5905625"   "5915347"   "5924435"   "5953198"   "5975057"   "6014956"   "6119659"   "6175484"   "6201681"   "6276318"   "6363895"   "6390082"   "6526945"   "6557506"   "6572074"   "6575126"   "6626146"   "6631067"   "6772737").PN. OR ("6772737"   "6971346"   "6978745").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:20
S27	72	ground with (valve or solenoid or spool) same (holding near2 current)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:21
S28	4	S22 and S27	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:22
S29	321	valve near2 group\$3 with (solenoid or spool)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:24
S30	6	S22 and S29	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:29
S31	12	group\$3 near2 (solenoid or spool) with ground\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:28

## EAST Search History

S32	621	(solenoid or spool) and (valve near2 actuat\$3) and holding and voltage and switch\$4 and group\$3 and ground\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:30
S33	5	S22 and S32	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:30
S34	755	(solenoid or spool) and (valve near2 actuat\$3) and holding and current and switch\$4 and group\$3 and ground\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:31
S35	4	S22 and S34	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:31
S36	991	(solenoid or spool) and (valve near2 actuat\$3) and holding and switch\$4 and group\$3 and ground\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:31
S37	6	S22 and S36	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:31
S38	1964	(solenoid or spool) and (valve near2 actuat\$3) and switch\$4 and group\$3 and ground\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:34
S39	11	S22 and S38	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:34
S40	6555	(solenoid or spool) and (valve near2 actuat\$3) and switch\$4 and group\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:34
S41	79	S22 and S40	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:34
S42	68	S41 not S39	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/10 19:34
S43	1	(US-6276318-\$).did.	USPAT	OR	ON	2006/12/11 08:03
S44	1	S43 and ground	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/11 08:04